



Facility Registry System (FRS)

*Moving towards e-Government to improve our
business practices and the management of
environmental information.*



Pat Garvey, EPA, OEI

July 2003

Background

The WHY and WHAT of FRS



WHY?

- 🚌 Need for data integration
- 🚌 Complete, high quality information
- 🚌 Authoritative source that is comprehensive, accessible, documented, and timely



WHAT?

It is not just a NAME!

It is all the Key Identifiers:

- 🚌 Name and Location
- 🚌 Contact and Organization
- 🚌 Program Identifiers and Industry Codes
- 🚌 Other key informational elements
(HUC, Tribal Lands, Federal Facilities, Mailing Address)



Progress To Date

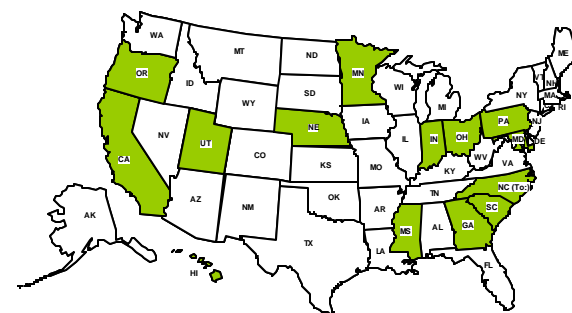
July 2003

1,195,303 unique records linking to 1,804,053 program interests from:

| | | | | |
|----------|---------------------|---------|---------------|--------|
| TRI | PCS-Majors & Minors | RADInfo | AIRS/AQS | |
| RCRAInfo | NEI-1999 | CERCLIS | ICIS (Docket) | SDWIS |
| RMP | States | BRS | NCDB | CAMDBS |

State exchanges from:

| | | |
|----------------|----------------------|----------------------------------|
| Pennsylvania | Indiana | California (Solid Waste Program) |
| South Carolina | Ohio | Hawaii |
| Mississippi | Nebraska | Oregon |
| Utah | Maryland | Georgia |
| Minnesota | North Carolina (To:) | |



Future Progress

Population:

 ERAMS

State exchanges from:

 New York

 New Jersey

 New Hampshire

 New Mexico

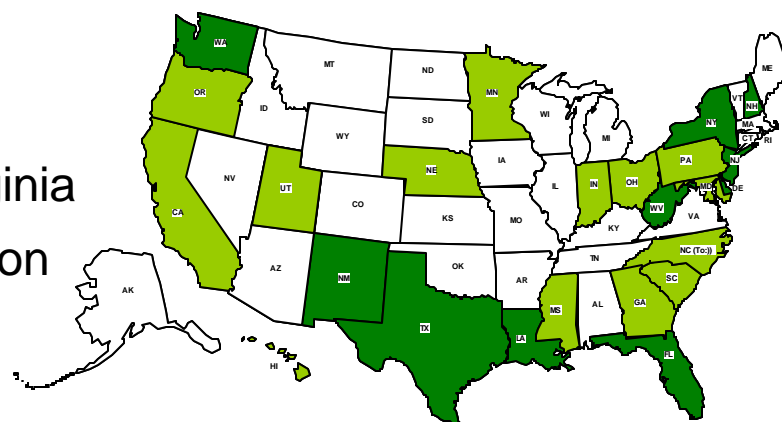
 Delaware

 Texas

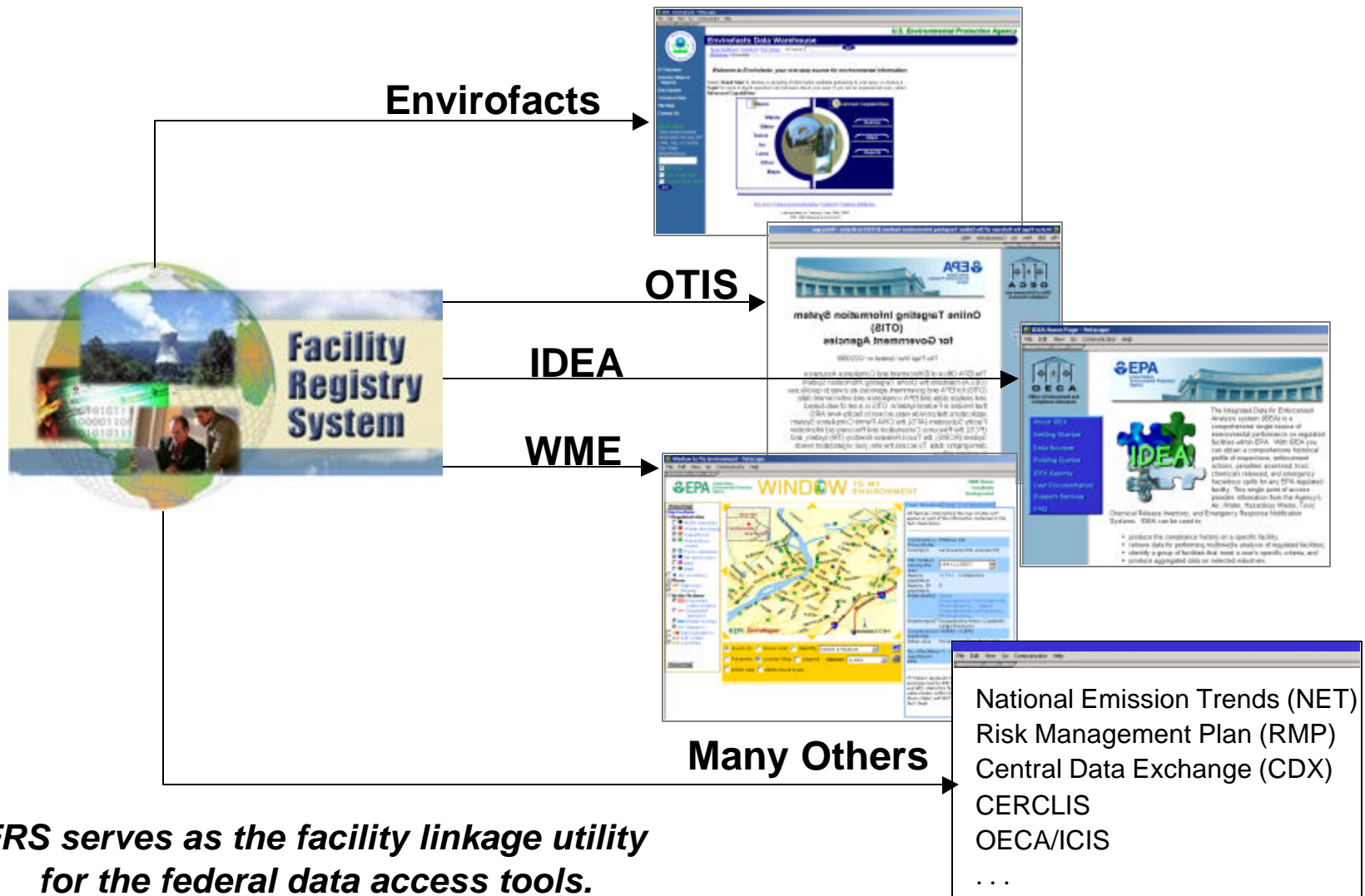
 Florida

 West Virginia

 Washington



How FRS is Being Used



Critical Areas for Coordination with Partners

- 🚌 Trading Partner Agreement (TPA)
- 🚌 Data models – Data standards
- 🚌 Program environmental areas
- 🚌 Data quality reconciliation
- 🚌 Data validation



TPA Components

- 🚌 Data to be exchanged and method of transfer
- 🚌 Mapping program and data elements
- 🚌 Schedule, security
- 🚌 Data reconciliation
- 🚌 Key liaison contacts



TRADING PARTNER AGREEMENT

Between the Nebraska Department of Environmental Quality hereinafter referred to as NDEQ and the U.S. Environmental Protection Agency Region VII acting as a representative for the U.S. Environmental Protection Agency and hereinafter referred to as EPA for their participation in sharing data as part of the Facility Identification Integration Activities. The use of the term Agency will refer to both partners.

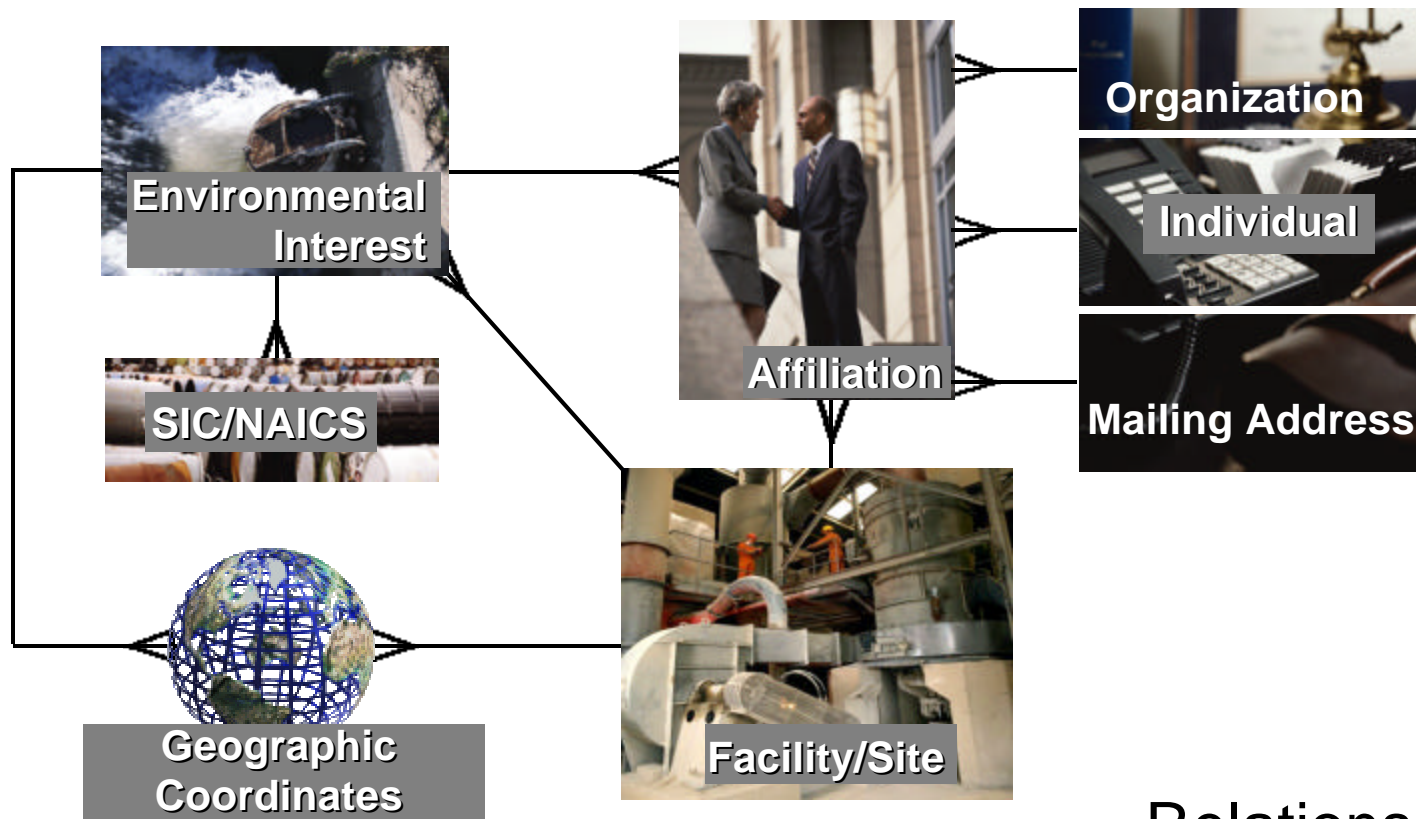
I. PURPOSE

The purpose of this Trading Partner Agreement (TPA) is to identify the activities that NDEQ and EPA will undertake as partners of the Facility Identification Integration Activities. As partners, each will work cooperatively to implement an exchange of facility identification data pertaining to Nebraska sites/facilities for incorporation into the Nebraska Integrated Information System (IIS) and the EPA Facility Registry System (FRS). Each partner will provide internet access to the data, making it available for use by each partner, businesses, interest groups, and the public in general.

II. BACKGROUND

The partners represent Federal and State Government whose responsibilities in general are for the protection of the environment. As part of their responsibilities, the partners collect and maintain data to support their agency's environmental program interest activities. The consistent identification of facilities within each agency and between agencies is key to the proper use of other data collected by agency environmental programs. It ensures that NDEQ and EPA recognize the same universe of regulated facilities in Nebraska and how these facilities relate to environmental program interests, and their associated data.

High Level Data Model



Relationship:
many ➤ one

FRS Models Nine Data Standards

- 🚌 Date
- 🚌 SIC/NAICS
- 🚌 Facility Identification
- 🚌 Latitude/Longitude
- 🚌 Tribal Identifier
- 🚌 Contact (proposed)
- 🚌 Federal Facility Identification (proposed)
- 🚌 Permitting (partial)
- 🚌 Environmental Interest (proposed)



Example of EDR Standard

www.epa.gov/edr/

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Registration to Access Data

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EPA Final Standards

The following data standards have been adopted by the EPA for use by Agency program offices. Specific usage and implementation instructions found in the EPA Business Rules associated with each final data standard. For each data standard there are data element lists and related standard documents such as EPA Business Rules and implementation fact sheets describing how a data standard is to be used by Agency programs. Data standards, EPA business rules, and data elements are available for viewing and downloading in several file formats. The final standards and documents are also available in approved, preformatted file formats for easy download and use.

Biological Taxonomy (Final)

- Biological Taxonomy Data Element List
- Biological Taxonomy Download Files
- Biological Taxonomy Standard and Business Rule Documents
- Biological Taxonomy Implementation Fact Sheet (pdf)

Chemical Identification (Final)

- Chemical Identification Data Element List
- Chemical Identification Download Files
- Chemical Identification Standard and Business Rule Documents
- Chemical Identification Implementation Fact Sheet (pdf)

Data (Final)

- Data Data Element List
- Data Download Files
- Data Standard and Business Rule Documents
- Data Implementation Fact Sheet (pdf)

Enforcement/Compliance (Final)

- Enforcement/Compliance Data Element List
- Enforcement/Compliance Download Files
- Enforcement/Compliance Standard and Business Rule Documents
- Enforcement/Compliance Implementation Fact Sheet (pdf)

Facility Identification (Final)

- Facility Identification Data Element List
- Facility Identification Download Files
- Facility Identification Standard and Business Rule Documents
- Facility Identification Implementation Fact Sheet (pdf)

All Final EPA Data Standards

[All Final EPA Data Standards Data Elements](#)

[All Final EPA Data Standards Download Files](#)

[All Final EPA Data Standards XML Tags \(pdf\)](#)

The [Implementation Standards](#) page provides assistance to users in implementing the above data standards. Program systems may only apply for a data standard conforming to the [Data Standard Conference](#) theme. Office of Information Collection/Data Standards Branch 3002.

U.S. Environmental Protection Agency

Environmental Data Registry

[Project Address](#) | [Contact Us](#)

[EPA Home](#) > [Sub](#) > [EDR](#) > [Products & Services](#) > [Search](#) > [EPA Data Standard](#)



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Facility Identification (Final)

Definition:

The Facility Identification Data Standard consists of core data elements that properly identify the location, the affiliated organizations, individual business activities, and the environmental interest of a facility site.

Identifier:

1-19930.1

Acronym:

FacIDStd

Abstract:

This standard provides guidance to those developing information management systems that manage facility data and to Exchange Network Partners who wish to exchange facility identification information. The Facility Identification Data Standard was developed by a State/U.S. EPA Action Team chaired by the ECOS-State-U.S. EPA Information Management Workgroup as part of the Agency's plan to improve environmental information. With the approval of this standard, the U.S. EPA is taking a step forward in standardizing the collection of identification information related to regulated facilities and facilitating public access to that data. The locational component of this standard has been developed under a separate Latitude/Longitude Data Standard. The business classification component of this data standard was developed under a separate SICNAICS Data Standard.

Origin:

Final Facility Identification Data Standard

Explanatory Comment:

This State/U.S. EPA data standard for use by Exchange Network Partners was approved by the Environmental Data Standards Council on May 31, 2000 and by the U.S. Environmental Protection Agency (EPA) on November 21, 2000.

Administration Note:

Examples of allowable values are available in the Final Facility Identification Data Standard. There are not intended to be a complete list of values.

Change Note:

Revisions were posted in the registry on 12/11/2000.

Detailed Report:

[View](#)

Data Steward:

[Sara Hesel McCoy, U.S. Environmental Protection Agency](#)

Components:

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Facility Identification: Data Element List

Click on a name to obtain detailed information. The specialty applied to a name in the information scope the specialty given in EPA Data Standards applied only to EPA application systems.

Select/Identify the Compare box to include/exclude as many data elements as your Comparison filters as desired. Pause between selections to allow the system to process your request and post it to the table. Each selection will open the Data Element Comparison table window of your browser. The table window will be minimized to allow you to return to the Data Element List page and select additional data elements.

If additional searches are conducted that return previously selected data elements, they will display with check marks in the Data Element List page, and will display in the table window unless the Clear All button is selected.

To go to a particular data element in a list, enter the list item number into the Go to Record box and select the Jump button. The list will refresh with the selected item at the top of the list. If the list item number entered is outside the current list range, nothing will be displayed.

Go to Record:

| Name | Definition | Type | Status | Compare? |
|-------------------------------------|--|-------------------|----------------|--------------------------|
| Address Type | The name that describes the capacity or function that an organization or individual serves for a facility site. | Alphanumeric (35) | Standard/Final | <input type="checkbox"/> |
| 1-23807.1 | | | | |
| XML Tag AddressTypeText | | | | |
| County Name | The name that represents a primary geopotential unit of the world. | Alphanumeric (40) | Standard/Final | <input type="checkbox"/> |
| 1-5.1 | | | | |
| XML Tag CountyName | | | | |
| County Name | The name of the U.S. county or county equivalent in which the facility site is physically located. | Alphanumeric (25) | Standard/Final | <input type="checkbox"/> |
| 1-22288.1 | | | | |
| XML Tag CountyName | | | | |
| County and State FIPS Code | The code that represents the county or county equivalent and the state or state equivalent of the United States. | Alphanumeric (5) | Standard/Final | <input type="checkbox"/> |
| 1-11.1 | | | | |
| XML Tag CountyStateFIPSCodes | | | | |

Program Environmental Areas

Mapping federal programs and categories to
state program areas

State Program

- 🚌 Hazardous Waste
- 🚌 NPDES Permit
- 🚌 Compost Site
Landfill

Federal Program

- 🚌 LQG, TSD,
SQG, CESQG
- 🚌 NPDES – Major
NPDES - Minor
- 🚌 None

Program Category

- 🚌 Hazardous Waste
- 🚌 Waste Water
- 🚌 Solid Waste



Data Quality

- 🚌 Use of reference tables for data consistency

 - 📍 ZIP Codes, Counties, City

- 🚌 Data standards

 - 📍 Use of EPA's EDR (www.epa.gov/edr) for data element description and valid values
(PO Box # is not a locational data value)

- 🚌 Data steward network



Challenges

- 🚌 Conformance to data standards
- 🚌 Consistency in the national database population
- 🚌 Data quality
- 🚌 Data gaps
- 🚌 Feedback to system owners



We Want
You
(and your data!!)



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